

ABSTRACT

Ceramic plates for side dams of twin-drum continuous strip casters comprising a REAG phase of 10 to 90 vol.%,
5 a Sialon phase of 5 to 50 vol.%, a BN phase of 5 to 50 vol.% and an amorphous phase of over 0 to 20 vol.%, with the REAG phase comprising at least one rare-earth aluminum garnet phase selected from YAG, ErAG, YbAG and DyAG phases and the Sialon phase having a chemical
10 formula, $\text{Si}_{6-z}\text{Al}_2\text{O}_z\text{N}_{8-z}$, wherein z is between 0.05 and 1.9.